

Commissioner For Patents  
"Mail Stop PATENT APPLICATION"  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

DOCKET NO. YOR920000773US1  
Date: November 26, 2003  
Express Mail: EL982792113US  
Date of Deposit: 11/ 26/ 2003

112603  
22783  
USPTO  
Transmitted herewith for filing is the Patent Application/of:  
**ASSIGNEE NAME: International Business Machines Corporation**  
**ASSIGNEE RESIDENCE: Armonk, New York**  
under Rule 1.53(f)  
Inventors: H.Richard Gail, Sidney L. Hantler, George B. Leeman Jr., Daniel Milch and Meir M. Laker.

For: **DIAGNOSING FAULTS AND ERRORS FROM A DATA REPOSITORY USING DIRECTED GRAPHS**  
Enclosed are:

X 3 (three) Sheets of Formal Drawings.

X Unsigned Declaration and Power of Attorney is attached to the application.

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	22 - 20 =	2
INDEP CLAIMS	3 - 3 =	0
___ MULTIPLE DEPENDENT CLAIM PRESENTED		

OTHER THAN A  
SMALL ENTITY

RATE	FEE
	\$ 770.00
2 x 18 =	\$ 36.00
0 x 86 =	\$ 00.00
+ x 290 =	\$ 0.00
TOTAL	\$ 806.00

If the difference in Col. 1 is less than zero, enter "0" in Col. 2.

x Please charge my Deposit Account No. 09-0468 in the amount of \$ 806.00.

x The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 09-0468. A duplicate copy of this sheet is enclosed.

x Any additional filing fees required under 37 CFR 1.16.

x Any patent application processing fees under 35 CFR 1.17.

IBM CORPORATION  
INTELLECTUAL PROPERTY LAW DEPT.  
P.O. BOX 218  
YORKTOWN HEIGHTS, NY 10598

Respectfully submitted,

By Louis Herzberg  
Louis P. Herzberg  
Registration No.: 41,500  
Tel. (914) 945-2885

16235 U.S.P.T.O.  
10/723751  
112603

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Date: November 26, 2003

GAIL et al.

Docket No.: YOR920000773US1

Serial No. To be assigned

Filed: Herewith

For: DIAGNOSING FAULTS AND ERRORS FROM A DATA REPOSITORY USING DIRECTED GRAPHS

Commissioner for Patents  
Mail Stop PATENT APPLICATION  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

Express Mail Label Number EL982792113US  
Date of Deposit November 26, 2003

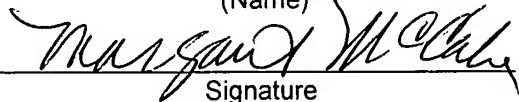
I hereby certify that attached paper or fee:

Return Post Card  
Application Fee Transmittal Sheet under rule 1.53(f) -original and copy  
Patent Application  
Declaration and Power of Attorney for Patent Application, unsigned  
3 (three) Sheets of Formal Drawings

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to the Commissioner for Patents, Mail Stop PATENT APPLICATION P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Margaret McCabe

(Name)

  
Signature

**Note:** Each paper must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) be signed and (2) fully identify and be securely attached to the paper or fee it accompanies. Identification should include the serial number and filing date of the application as well as the type of paper being filed, e.g. complete application, specification and drawings, responses to rejection or refusal, notice of appeal, etc. If the serial number of the application is not known, the identification should include at least the name of the inventor(s) and the title of the invention.

**Note:** The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail". Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings it is suggested that the label number be placed on the back of each formal drawing or the drawings be accompanied by a set of informal drawings on which the label number is placed.